

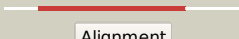

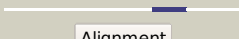


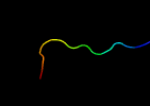




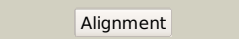
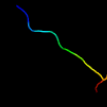

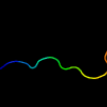


Phyre2

Email	mdejesus@rockefeller.edu
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Date	Fri Aug 2 13:30:24 BST 2019
Unique Job ID	63ab0809a57203e4

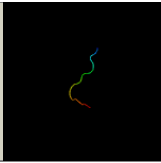
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d3b45a1	 Alignment		98.1	13	Fold: Rhomboid-like Superfamily: Rhomboid-like Family: Rhomboid-like
2	d2nr9a1	 Alignment		97.7	15	Fold: Rhomboid-like Superfamily: Rhomboid-like Family: Rhomboid-like
3	c3ky7A_	 Alignment		7.4	33	PDB header: transferase Chain: A: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: 2.35 angstrom resolution crystal structure of a putative trna2 (guanine-7-)-methyltransferase (trmd) from staphylococcus aureus3 subsp. aureus mrsa252
4	c5wyrA_	 Alignment		6.2	33	PDB header: transferase Chain: A: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: crystal structure and catalytic mechanism of the essential m1g37 trna2 methyltransferase trmd from pseudomonas aeruginosa
5	c3iefA_	 Alignment		6.1	40	PDB header: transferase, rna binding protein Chain: A: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: crystal structure of trna guanine-n1-methyltransferase from bartonella2 henselae using mpcs.
6	c4h3zA_	 Alignment		5.7	33	PDB header: transferase Chain: A: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a symmetric dimer of a trna (guanine-(n(1)-)-2 methyltransferase from burkholderia phymatum bound to s-adenosyl3 homocystein in both half-sites
7	d1p9pa_	 Alignment		5.5	33	Fold: alpha/beta knot Superfamily: alpha/beta knot Family: tRNA(m1G37)-methyltransferase TrmD
8	d1uala_	 Alignment		5.4	33	Fold: alpha/beta knot Superfamily: alpha/beta knot Family: tRNA(m1G37)-methyltransferase TrmD

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[c3quvB](#)

Alignment



5.4

33

PDB header:transferase

Chain: B: **PDB Molecule:**trna (guanine-n(1)-)-methyltransferase;
PDBTitle: crystal structure of a trna-guanine-n1-methyltransferase from2 mycobacterium abscessus